

$$a) 2x + 3y \leq 6$$

$$b) x - y \geq 1$$

$$c) y \geq 0$$

$$(0) - y = 1 \Rightarrow y = -1$$

$$\frac{-y}{-1} \geq \frac{1-x}{-1}$$

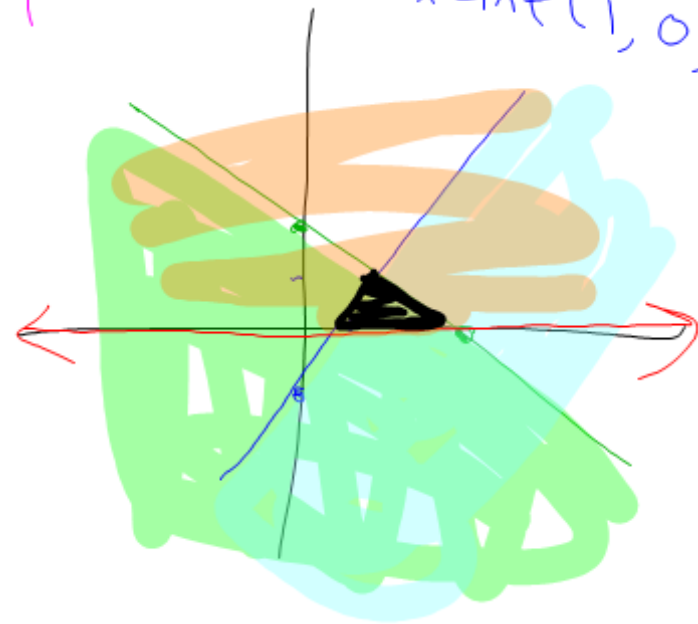
$$y \leq x - 1$$

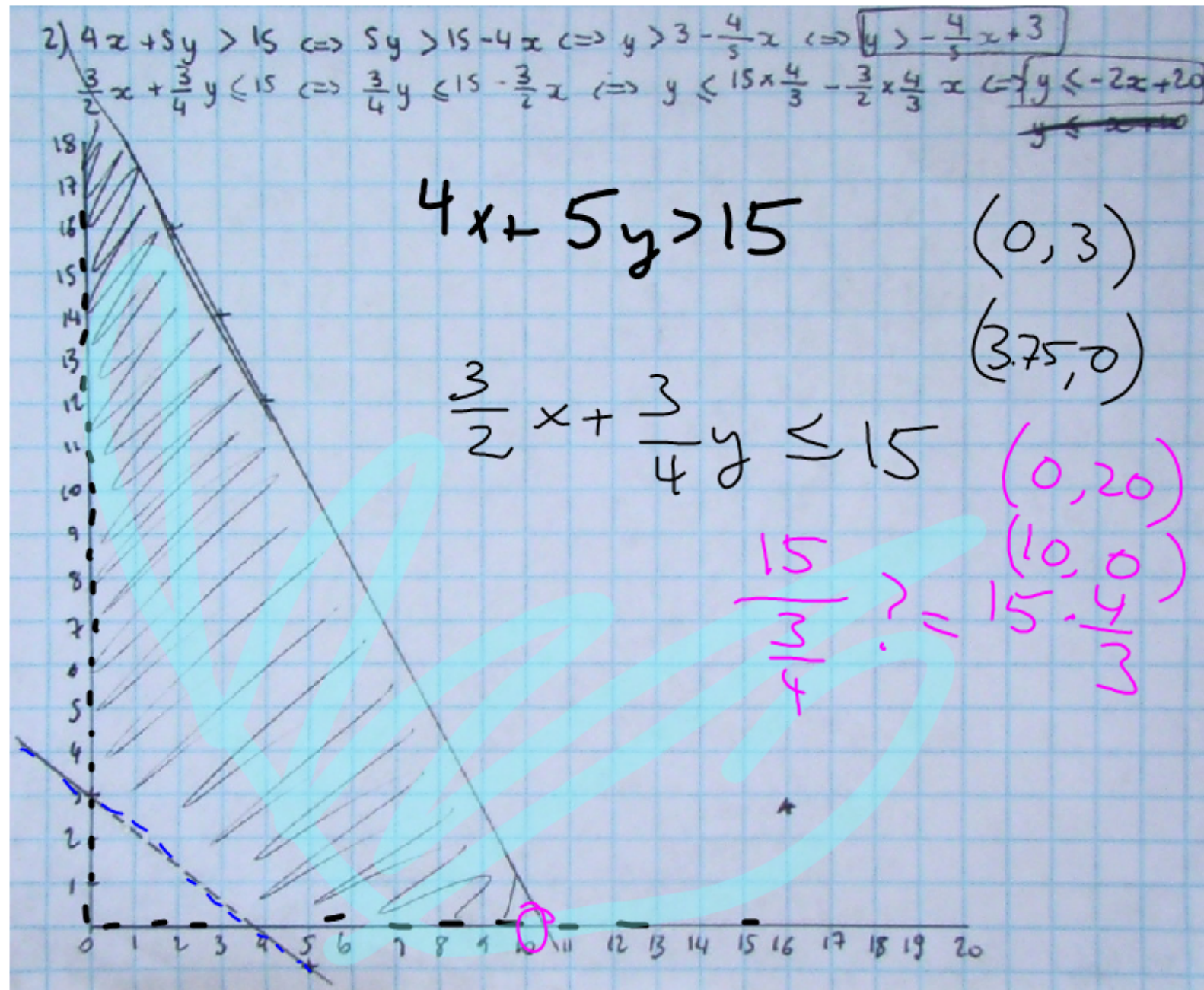
$$\begin{array}{r} \text{method 1} \\ 3y \leq 6 - 2x \\ \hline 3 \end{array}$$

$$y \leq -\frac{2}{3}x + 2$$

$$\begin{array}{r} \text{method 2} \\ y\text{-int } (0, 2) \\ x\text{-int } (3, 0) \end{array}$$

$$\begin{array}{r} y\text{-int } (0, -1) \\ x\text{-int } (1, 0) \end{array}$$





HW  
Q

What are 2 methods we use  
to graph?

→ Which way do I like best?

# Dietary Requirement

Constraint

Variables Used

Calories :  $60s + 130b < 700$

$s$  = cracker servings  
 $b$  = blueberry yogurt servings

Fat :  $2x + 2y < 20$

$x$  = crackers  
 $y$  = yogurt

Protein :  $2g + 2b \geq 17$

$g$  = crackers  
 $B$  = yogurt

Iron :  $6C + Y \geq 30$

$C$  = crackers  
 $y$  = yogurt

## Corrections — Due Tues.

- ① On a seperate piece of paper,
- ② Up to 50% of points
- ③ a) What did you do incorrectly?  
b) the corrected answer. w/ work